



# भारत का राजपत्र The Gazette of India

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NEW DELHI, SATURDAY, NOVEMBER 6, 1971 (KARTIKA 15, 1893)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड 2

## PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस

Notifications and Notices issued by the Patent Office relating to Patents and Designs

### THE PATENT OFFICE

#### Patents and Designs

Calcutta, the 6th November 1971

#### SPECIAL NOTICE

The Annual Report of the Patent Office for the year 1969 is now on sale with the Manager of Publications, Civil Lines, Delhi and also at the Government of India Book Depot, 8, Hastings Street, Calcutta (for local sale at the counter) at the following price per copy :

(Inland) Rs. 2.00 (Foreign) 4s. 8d. or 72 Cents.

#### Application for Patents

The dates shown in crescent brackets are the dates claimed under Section 78A of the Act.

The 16th October 1971

- 133252. Centron Industrial Alliance Private Limited. Improvements in or relating to safety razor blades.
- 133253. Aparechiature E Macchine Utensili S. A. di Milani Giuseppe & C. Method and apparatus for extruding wide profiles of thermoplastic material.
- 133254. Pfizer Corporation. Process for preparing derivatives of 1-(2-hydroxy-3-phenoxy-or phenylthio-propyl)-piperazine. (6th November 1970).
- 133255. Stamicarbon N. V. Process for preparing nitrogen monoxide.
- 133256. E. V. Ketkar. Improvements in/or relating to water filter.
- 133257. E. V. Ketkar. Improvements in/or relating to water filter.

19th October 1971

- 133258. M. Ramamoorthy and M. S. Muthana. All static point on wave selector.

317G1/71

- 133259. M. Ramamoorthy and M. S. Muthana. Thyristor controlled frequency doubler.
- 133260. Council of Scientific and Industrial Research. Improvements in or relating to lithographic printing plates.
- 133261. Council of Scientific and Industrial Research. Starter fluid induction device for cold starting of I.C. engines.
- 133262. Council of Scientific and Industrial Research. A regulator for bi-fuel diesel alternator set for operation at high altitudes.
- 133263. S. D. Supanekar. A process for post-dyeing oxidation of vat dyes.
- 133264. Council of Scientific and Industrial Research. Load sensing transducer.
- 133265. R. G. Bajaj. Improvements in or relating to taps, cocks, valves, closets, faucets, sprinklers or the likes.
- 133266. R. Kumar. Worack (To get multispeeds by one gear).
- 133267. S. Govindappa. Sensitive earth fault protection for 100% winding of generators.
- 133268. Mrs. Shalini R. Balani, D. G. Shirke and Mrs. Mangala G. Ketkar. Versatile advertisements display system.
- 133269. Colgate-Palmolive Company. Compositions containing aminopolyureylene resin.
- 133270. Girling Limited. Improvements in disc brakes for vehicles. (22nd October 1970).
- 133271. Lonza Inc. Blends of quaternary ammonium compounds and a process for preparing the same.
- 133272. Commercial Solvents Corporation. The preparation of novel stereoisomers of zearalenone and zearalenol.
- 133273. General Electric Company. Improvements in or relating to rare earth oxyhalide phosphors of reduced afterglow.

133274. Sandoz Ltd. New benzene phosphonic acid compounds, their production and use as stabilizers for organic materials.
133275. Bunker Ramo Corporation. Cable junction box.
133276. The Upjohn Company. 4H-s-triazolo [4, 3-a] [1, 4] benzodiazepines and process for preparing the same.
133277. The Hong Kong Soya Bean Products Co., Ltd. A blue cheese from soya bean milk and method of preparation thereof.

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133278. Council of Scientific and Industrial Research. A process for manufacture of paraffin wax from slack wax.
133279. Council of Scientific and Industrial Research. An optical forest cruiser.
133280. Pfizer Inc. Anti-inflammatory imidazoles. (19th April 1971).
133281. Jacques Lespagnol, and A. V. D. Method and apparatus for manufacturing dry solid molasses.
133282. Joseph Lucas (Industries) Limited. Lamp failure warning systems. (24th October 1970).
133283. Joseph Lucas (Industries) Limited. Electrical switches. (31st October 1970).
133284. Ro-Search Incorporated. Improvements in and relating to footwear and its manufacture. (28th October 1970).
133285. S. Hetrakul. Apparatus for treating patients. (1st April 1971).
133286. Rotary Hoes Limited and the Governors of the National College of Agricultural Engineering. Agricultural machine.
133287. Rotary Hoes Limited and The Governors of the National College of Agricultural Engineering. Agricultural machine.
133288. Rotary Hoes Limited and The Governors of the National College of Agricultural Engineering. Agricultural machine.
133289. The Upjohn Company. 6-Phenyl-s-triazolo [4, 3-a] [1, 4] benzodiazepines and process for preparing the same.
133290. Deering Milliken Research Corporation. Drafting system. [Addition to No. 129216].
133291. N. V. Manay. An improved machine for marking roads or the like.
133292. K. G. Vaze. Design of percentage balance.

21st October 1971

133293. K. R. Datye. The overground concreting process.
133294. R. Berry. An improved beam raising device.
133295. S. K. Mahajan and S. M. Gupta. Planiscanner—A new mechanical instrument for area measurement.
133296. United Kingdom Atomic Energy Authority. Improvements in or relating to stirling cycle heat engines. (21st October 1970).
133297. Shell Internationale Research Maatschappij N. V. A process for producing metallic silver deposits and silvercoated bodies resulting from the said process.
133298. Ceylon Institute of Scientific and Industrial Research. Improvements in the preparation of tea extracts suitable for chilled beverages.
133299. Southwire Company. Method of preparing an aluminium alloy.

133300. Ernest Ralph Ellithorpe and Ronald Bruce Fletcher. Method and apparatus for the solidification of molten sulphur. (21st November 1969). [Divisional date 2nd May 1970].

133301. Sia Viscosa Societa Nazionale Industrial Applicazioni Viscosa S.p.A. Method and apparatus for the preparation of homogeneous, meterable pastes and suspensions of phthalic acids and glycols, for feeding plants, more particularly continuous esterification plants.

133302. T. Makino. Process for recovering and manufacturing silicic acid system pigment from alkali process pulp black liquor containing silicates.

133303. The Wellcome Foundation Limited. 2, 4-diamino-5-benzylpyrimidines and process for preparing the same. (22nd October 1970).

133304. Ims Limited. Medicament container.

133305. Syntex Corporation. Process for preparing 2-(6-methoxy-2-naphthyl) propionic acid and intermediates thereof.

133306. C. P. Mahalwala. Apparatus for fast and slow reproduction of speech. [Divisional date 30th April 1970].

133307. L. Cross. A system adapted to be incorporated in a television circuit.

133308. Centron Industrial Alliance Private Limited. Improvements in or relating to safety razors.

22nd October 1971

133309. Council of Scientific and Industrial Research. A design of gas detector feeder.
133310. Council of Scientific and Industrial Research. Improvements in or relating to semiconductor device processing yields.
133311. P. Wood. Improving in or related to pneumatic rock drilling equipment titled as Guid Bush WP-I.
133312. Kores Holding Zug AG. Adapter for typewriter ribbon spool.
133313. B. R. R. Manjunatha. A method of treating cellulosic textile materials.
133314. Dr. D. V. Parikh, Dr. V. G. Agnihotri and M. N. Shah. Simultaneous desizing and bleaching of cellulosic textiles in a single bath.
133315. B. M. Beards. Puncture solution filling appliance.
133316. Ciba-Geigy AG. Process for the manufacture of thermosetting plastic moulded articles having a glossy stain resistant surface.
133317. Pfizer Inc. Recovery of pure cis 11-(3-dimethylaminopropylidene)-6, 11-dihydrodibenz (b, e) oxepine from admixture with its trans isomer. (19th April 1971).
133318. Kali-Chemie Aktiengesellschaft.  $\alpha$ -Isopropyl- $\alpha$ -[(N-methyl-n-homoveratryl-v-aminopropyl]-3, 4-ethylenedioxy-phenylacetonitrile and its non-toxic acid addition compounds. (4th January 1971).
133319. Ahmedabad Textile Industry's Research Association. An instrument for measurement and control of humidity and drying conditions in hot air machines.
133320. Scientronic Instruments. Electrical heating units.
133321. Scientronic Instruments. Process of and apparatus for washing glass pipettes or like tubular apparatus.
133322. R. R. Pardasani. Improvement in or relating to cut-out or fuse box or like.
133323. R. R. Pardasani. Improvement in or relating to dead front fuse units.

133324. Ruti Machinery Works Ltd. Holder for a loom reed.
133325. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Branning. Novel process for the manufacture of benzimidazolone-(2).
133326. R. G. DePenning. Process for continuously leaching titaniferous materials.
133327. Monsanto Company. N-phosphonomethylglycine phytotoxicant compositions.
133328. Ivo Mavrovic. Method of controlling urea system.

#### Alteration of Date

125033. The claim to priority date 29th January 1969 has been disallowed and the application dated as of 29th January 1970 the date of filing in India.
131966. Antedated to 16th January 1970 under Section 5 of the Act.

#### Applications Accepted

Notice is hereby given that all persons interested in opposing the grant of patents on any one of the applications referred to below may at any time within four months of the date of the Gazette of India give notice to the Patent's Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Government of India Book Depot, 8 Hastings Street, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra, if sent out of India). Requisition for the supply of printed specifications should be accompanied by the numbers of specifications as shown in the following list.

If required typed copies of the specifications together with copies of drawings, if any, can be supplied by the Patent Office on payment of the necessary charges which may be ascertained on application to the office.

The dates shown in crescent brackets are the dates allowed under Section 78-A of the Act.

124584. American Velcro, Inc. Stressed building structure. Accepted on 24th September 1971.

*Comprising a pair of spaced apart support members, a pair of principal arch members arranged in non-coplanar relationship to each other, means for movably connecting the principal arch members into a first closed loop defining the upper terminal of the structure, said means being attached to the upper, most portion of the support members, a pair of secondary arch members pivotally connected to the support members to form a second closed loop defining lower terminal edges of the structure a roof fabric suspended in tension from the perimeter of the first closed loop and means for maintaining a controlled tension along the longitudinal axis of the roof fabric.*

124793. Universal Oil Products Company. Method for the conversion of hydrocarbons. Accepted on 12th October 1971.

*Method for converting hydrocarbons which comprises hydrogenation of relatively high boiling hydrocarbons by catalytic exothermic reaction with a gaseous reactant and recovering the converted hydrocarbons by fractional distillation.*

124843. Imperial Chemical Industries Limited. Process for the manufacture of 1, 1, 1-trichloroethane, vinyl chloride and vinylidene chloride. (23rd January 1969). Accepted on 14th October 1971.

*Introducing 1,1, dichloroethane and chlorine near the closed end of the reactor of circular cross section whereby there is set up a turbulent reaction zone, the total zone within the reactor being at a temperature in the range 300—450°C, withdraw-*

*ing the reaction gases from the opposite end of the reactor, and fractionally distilling the reaction products.*

124847. P. J. Doanides. Prestressed coated concrete pipe and method of and apparatus for making same. Accepted on 14th October 1971.

*Applying first epoxy tack coating to exterior of a cylindrical concrete pipecore, winding under tension a prestressing member around the core, applying prior to curing of the first coating, a second epoxy tack coating to exterior of the core and the prestressing member, and applying prior to curing of the second coating, a layer of epoxy mortar.*

124855. Air Products and Chemicals, Inc., Process for the preparation of metal, ammonium and substituted ammonium derivatives of 5-substituted-1, 3, 4-thiadiazolyl ureas and compositions containing the same for agricultural use. Accepted on 14th October 1971.

*5-alkyl and haloalkyl thiadiazol-2-ylureas and their tautomers are reacted with an alkali hydroxide in a solvent.*

124871. A. E. Staley Manufacturing Company. Multi-color reproductions. Accepted on 14th October 1971.

*Coating a substrate bearing a first colour used in imagewise configuration with a solid light sensitive organic layer, exposing the layer to actinic radiation, applying to the layer free flowing powder particles of a second colour, embedding the powder particles and removing non-embedded particles.*

124881. International Flavors & Fragrances Inc. Process for the production of furan derivatives. Accepted on 16th October 1971.

*Comprising reacting a 2, 5 dialkyl furan with sulphur monochloride or sulphur dichloride.*

124899. Sulzer Brothers Limited. Servo drive. Accepted on 19th October 1971.

*Having means which triggered by the switching on signal for the motor produces a correcting signal whose magnitude depends on duty cycle of motor and which represents instant means kinetic energy of moving parts and alters lower limiting value for switching off time.*

124900. Sulzer Brothers Limited. Servo drive. Accepted on 19th October 1971.

*Having a measuring system for motor current adapted to respond to overcurrents which acts on first or second switching means associated with the appropriately switched on direction of rotation.*

124903. P. Dillies. Process and apparatus for the treatment of textile fibre material in bulk. Accepted on 16th October 1971.

*Wherein the material is carried in a current of air and the treating solution is carried by a current of air at a greater speed than that of the material and is projected by atomisation on the material.*

124922. Metallgesellschaft A. G. Process and apparatus for forming non-woven webs from thermoplastic filaments and non-woven webs so formed. Accepted on 19th October 1971.

*Formed of a multiple number of side by side lengthwise sections each section being formed from a bundle of at least 15 continuous spun and drawn synthetic filaments in a loop like arrangement with a substantially greater filament length of at least 500% being condensed in loop like arrangement the web having a weight of between 10—1500 grams/sq. meter.*

124929. Arie Hendrik Gerrit Van Leeuwen. Colorimeter. Accepted on 16th October 1971.

*A calorimeter with a light source which through a sample to be investigated illuminates a photo-electric transducer, the output of which is connected to a measuring device for the intensity of the transmitted light.*

124931. The Dunlop Company Limited. Improvements in or relating to pneumatic tyres. (23rd January 1969). Accepted on 20th October 1971.

*Comprising a tread portion the ground contacting surface of which is provided with water absorbing chambers, each chamber being of diameter 2.5 mm. to 0.25 mm., at least a portion of the wall of each chambers being provided with asperities, said chambers being spaced apart and the distance between a given reference point on the chamber and an equivalent point on the closest neighbouring chamber thereto is 20 mm. to 0.375 mm.*

125035. C. Conradty. High power electrode for electric arc furnaces. (12th December 1969). Accepted on 16th October 1971.

*Containing at least one bride of titanium.*

125053. The shoe & Allied Trades Research Association. A method of preforming a shoe upper, a mould therefor and footwear having said shoe upper. Accepted on 14th October 1971.

*Has a male moulding surface by forming a shell of thin resiliently bendable material to the last shape required and partially flattening out the shall by outwardly displacing the side portions.*

125168. H. G. Engineering (Proprietary) Limited. Improvements in screw like fasteners for wood and like material. Accepted on 16th October 1971.

*Comprising a shank with a head at one end, a point at the other, an axial passage extending through the head and shank, an anchoring formation on the shank away from the head, and a constriction in the passage associated with the anchoring formation.*

125197. E. Scheubeck. Electric control arrangement for motor drive systems of tap changers for regulating transformers. Accepted on 16th October 1971.

*In which only one switching stop of the tap changes can be executed independently of the duration of the control command by a control relay energizable in a circuit closed by a micro-switch actuated with a first cam disc and deenergisable in a circuit closed by a microswitch actuated with a second cam disc.*

125242. Curlator Corporation. Apparatus for transferring fibrous material from a pneumatic conveying duct to web forming and like machines. (23rd December 1969). Accepted on 16th October 1971.

*Comprises a trunkline, a plurality of branch ducts, one for each machine and characterized by means disposed upstream of the juncture of each branch duct and said trunkline for directing a jet of air.*

125373. H.-U. Sohr. Sliding clasp fastener of the concealed element type and method of making same. Accepted on 14th October 1971.

*Each series of coupling elements is fastened to the tape by a single line of stitching without any filler cord.*

125376. Kelvinator of India Ltd. Improvements in or relating to refrigeration system for transport vehicles. Accepted on 16th October 1971.

*Comprising a cyclone furnace with a sealed space and means for heating by the exhaust gases*

*from a vehicle engine, a combination of a turbine and two compressors and a feed pump run by the turbine, an evaporator, an expansion valve connected to the evaporator, and a cooling device.*

125497. Riker Laboratories, Inc. Inhalation actuable aerosol dispenser. Accepted on 19th October 1971.

*Utilizing an aerosol container equipped with a metering valve having a valve member movable with respect to the container between an inner charging position and an outer discharging position.*

125621. The Dunlop Company Limited. Production of cylindrical blocks of synthetic plastics foam. (14th March 1969). Accepted on 20th October 1971.

*Comprises depositing a foam forming composition at a deposit station in a rectangular elongated flexible mould, drawing the mould through a stationary shaper having concave side members and supporting the mould to maintain foam contents in a circular cross sectional shape until foam has become self supporting.*

125613. The British Petroleum Company Limited. Metal-graphite compositions. (31st March 1969). Accepted on 16th October 1971.

*Comprises grinding the metal and graphite in an organic grinding liquid till a surface area of 5 square metres per gram is attained.*

125792. Institut Khimii i Tekhnologii Redkikh Elementov i Mineralnogo Syria Kolskogo Filiala an SSSR. A method of obtaining titanium tanning agent and its application for tanning hides, pelts and fur skins. Accepted on 16th October 1971.

*Comprising treating stock with sulphuric acid followed by ammonium sulphate and preplating the double sulphate of titanyl and ammonium monohydrate and stabilizing it by addition of ammonium sulphate.*

126018. The Dunlop Company Limited. Method and apparatus for weight measurement. Accepted on 20th October 1971.

*The method includes the step of supporting the article to be weighed such that two different portions are associated each with a load sensing device and measuring the component acting in a design directions of the total force exerted on each device to control the forming of the article.*

126152. Societa Italiana Resine S.p.A. Multiple expansion flash evaporator for the desalination of sea or other water. Accepted on 11th October 1971.

*Characterised by each expansion chamber being provided with a level-sill arranged transversely of casing is form of a half sinusoid and exceeding in height by 5-10 on the top of the outflow opening.*

126153. Societa Italiana Resine S.P.A. Multiple expansion flash evaporator for the desalination of sea or other water. Accepted on 11th October 1971.

*Comprises a closed casing, two vertical partitions defining a central evaporation zone and two lateral condensation zone a plurality of vertical partitions extending transversely defining plurality of chamber, and two heat exchangers for (I).*

126154. Societa Italiana Resine S.p.A.. Multiple expansion flash exaporator for the desalination of sea or other water. Accepted on 11th October 1971.

*Characterises in having vertical partitlons case of which defines at its bottom a submerged quadrangular outflow opening top side of which is formed with a projection of a definite geometry.*

126171. Uss Engineers and Consultants, Inc. Corrosion-resistant steel. Accepted on 13th October 1971.

*Comprising applying a coating of at least one metal from the group consisting of chromium,*

- copper, nickel and titanium on to a pickled hot rolled steel band, and reducing the coated steel, annealing to cold reduced coated steel, at a temperature below the  $A_c$  temperature.
126176. Barnag Barmer Maschinenfabrik Aktiengesellschaft. Apparatus for the production of continuous filaments from synthetic polymers. (29th January 1970). Accepted on 13th October 1971.
- Comprises a heatable spinning beam and a plurality of structural elements wherein the beam has openings for the passage of the filaments the base of the plate being hollow for accommodating a heating medium.*
126196. Imperial Chemical Industries Limited. Production of hydropyrans. Accepted on 14th October 1971.
- Contacting a conjugated diolefine and formaldehyde in the presence of a lewis acid catalyst and a substantially non-aqueous solvent.*
126198. Norprint Limited. Manually operable overprinting and labelling machine. (14th April 1969). Accepted on 14th October 1971.
- Comprises means for causing advancement of a label strip mounted in the machine by a predetermined amount for each operation of the machine.*
126203. Mississippi Chemical Corporation. Stabilized  $\text{NH}_4\text{NO}_3$ - $\text{CaCO}_3$  fertilizer compositions. Accepted on 14th October 1971.
- Characterised by adding to the ammonium nitrate, prior to the addition of the calcium carbonate thereto, the combination of 0.05 to 0.5% by weight of monoammonium phosphate and/or diammonium phosphate, 0.03 to 0.2% by weight boric acid or salt thereof; calculated as free boric acid and 0.005 to 0.5% by weight ammonium sulphate, said weight percents being calculated on the final weight of the mixture.*
126227. Sandoz Ltd. Process for the production of polyazo dyes. Accepted on 16th October 1971.
- Process for the production of polyazo dyes, which comprises coupling a monoazo compound, which is formed with a diazotized 1-amino-8-hydroxy-naphthalene-monosulphonic or disulphonic acid or one of its 3' or 4'-aminobenzoylamino derivatives and a 1, 3-dihydroxy-hydroxymethyl benzene, with 1 to 2 moles of a diazo component.*
126235. The Dunlop Company Limited. A method of manufacture of a toothed belt. Accepted on 19th October 1971.
- Passing a sheet of unvulcanised elastomeric material and a sheet of stretchable fabric through the nip of a pair of rollers applying the profiled composite sheet thus formed to a cylindrical mould winding at least one tension layer of cord, applying a covering layer and moulding and vulcanising the assembly.*
126257. Compagnie Pechiney. Process and apparatus for the supply of alumina to igneous electrolysis tanks for the preparation of aluminium. Accepted on 16th October 1971.
- Supplying alumina to electrolysis tank by first puncturing the head of tank of regularly spaced points and then alumina poured continuously on to this head and then the crust is punctured in regularly spaced points first of all along the longitudinal side of the bath and then the second lead and finally alumina is poured containing on to the zone punctured during the second step.*
126262. Sybron Corporation. Intrinsically safe system including electrical barrier. Accepted on 20th October 1971. Comprising a box, current and voltage limiting circuitry within said box and interconnecting a first and second external connector and means for potting said circuitry in said box.
126266. Pirelli General Cable Works Limited. Improvements in or relating to electric cable joint casings. (25th April 1969). Accepted on 20th October 1971.
- Comprising a preformed sleeve, a pair of end members cast about the pointed cables and received in respective ends of the sleeve and hermetic scales sealing the external surface of the respective end members and the sleeve.*
126271. Siemens Aktiengesellschaft. A circuit arrangement for pulsing the control current of a hall generator. Accepted on 20th October 1971.
- Wherein the control circuit of the hall generator has a capacitor and a controllable switching means.*
126273. Ciba Limited. Process for the manufacture of high-polymer transparent pigments. Accepted on 14th October 1971.
- Wherein the dye stuff containing at least one aromatically bound thio sulphate group is reacted with aqueous solution of a thio compound containing a  $\text{C}=\text{C}$  group bound to at least one nitrogen atom in presence of a colourless epoxy compound.*
126282. Danfoss A/s. Step switch. Accepted on 15th October 1971.
- Comprising means for sending digital impulses reversible counter and means for operating capacity stage independence upon information of output of counter.*
126284. Danfoss A/S. Snap-action switch. Accepted on 16th October 1971.
- Characterised in that the pressure applying means and nominally rated spring are arranged along side to act upon main arm and press it towards pivoting bearing.*
126285. Danfoss A/s. Electric reversing switch. Accepted on 16th October 1971.
- Characterised in that middle contact is fixed, two outer contacts resiliently urged towards it lifting element moves between carriers and connected to main arm.*
126300. N. V. Philips Gloeilampenfabrieken. Method of manufacturing a permanent magnet. Accepted on 15th October 1971.
- Characterised in that sintering is carried out at a temperature lying between  $800^\circ\text{C}$  and  $1200^\circ\text{C}$  in an inert atmosphere in the presence of a getter readily binding reactive gasses, such as oxygen, after which the resultant body is cooled and magnetized in a magnetic field.*
126303. Vickers-Zimmer Aktiengesellschaft Planung Und Bau Von Industrieanlagen. A screw conveyor. Accepted on 22nd October 1971.
- Comprising one or more screws with a widened inlet and a draw-in-region formed with a gap extending from the inlet opening.*
126320. Imperial Chemical Industries Limited. Manufacture of bipyridyls. (9th May 1969). Accepted on 16th October 1971.
- Comprising heating the corresponding substituted pyridine derivative or bipyridyl in the vapour phase in the absence of oxygen and ammonia at a temperature of at least  $200^\circ\text{C}$  in the presence of a dehydrogenation catalyst.*
126446. Universal Oil Products Company. Dehydrogenation process and catalyst. Accepted on 20th October 1971.
- Comprising subjecting the hydrocarbon to contact at a temperature in the range of about  $371^\circ\text{C}$  to about  $677^\circ\text{C}$  and a pressure in the range from about 0.1 to about 10 atms. with a catalytic com-*

posite comprising a platinum group metallic component a rhodium component, an alkali component and an alumina carrier material.

126496. Gunther Wunderlich and Hamrich Weber. Process for the elimination of ammonia present in coke-oven gases. [Addition to No. 94350]. Accepted on 16th October 1971.

The deacidification gas or ammonia and hydrogen sulphide gaseous medium derived from coke oven gas is separated into ammonia gas and the gases are at least partially burnt separately.

126516. Norron Company. Joint for abrasive belts and method for manufacturing thereof. Accepted on 16th October 1971.

Comprises a backing member having two ends positioned in abutting relationship, a layer of flexible abrasive on the back surface of said member and a woven reinforcing patch composed of yarn from reaction product of a phthalic acid and an aromatic diamine embedded in the adhesive layer.

126571. Bata Shoe Company Private Limited. A method of manufacturing welted shoes. (14th May 1969). Accepted on 22nd October 1971.

Comprising attaching a sole shaped board to one side of a flexible insole formed with an extended marginal portion, securing an elongated projection on the other side of the insole, securing the projections to the inwardly pulled margin of a lasted upper and to inner margin of a welt and applying an outsole to the lasted upper insole unit.

126673. R. R. Pardasani. Improvement in or relating to locks. Accepted on 16th October 1971.

Characterised in that plug and the lock body taking means of engagement, at least a catch prevents sliding of plug also controlling the position of the said plug.

126759. Shell Internationale Research Maatschappij N. V. Process for the separation of ash-forming components from an aqueous soot suspension. Accepted on 20th October 1971.

Comprises thoroughly and temporarily contacting the aqueous suspension with an oxygen containing gas, conducting the treated suspension and an auxiliary substance capable of taking up soot particles through a zone where they are kept moving in a turbulent manner and separating the soot and the auxiliary substance.

126776. Danfoss A/S. Passive temperature sensor. Accepted on 16th October 1971.

Condition of the surface of the sensor being such that the ratio  $C$  of the product of the surface  $A_s$  (in  $m^2$ ) exposed to heat radiation and the emission factor, on the one hand, to the product of the area  $A_k$  (in  $m^2$ ) exposed to convection and the factor  $F$  ( $W/m^2$ ,  $^{\circ}C^{-1.25m^{-2}}$ ) of the surface heat transfer coefficient, on the other hand, is between 0.1 and 0.3 preferably, between 0.14 and 0.25.

126867. V. K. Gilev, V. N. Evzlin, G. N. Kamalov, N. A. Kuliev, R. T. Sarkisov and E. A. Stepanian. Compound die for two concentrically-shaped sheet circular members from strap material in punch presses with vertical disposition of blanking plane. Accepted on 16th October 1971.

Comprising a stationary plate, movable plate, spring loaded female die, a lifter of the strap located on stationary plate, punches on movable plate, punching rings, a lifter for removing circular members central portion on movable plate, guide chutes, clamps, means for separating circular central portion.

127061. J. Varghese and Dr. E. H. Doruwalli. A process for imparting permanent press finish to fabrics made of cotton or viscose or of their blends or

of their blends with other synthetic fibres. Accepted on 19th October 1971.

Impregnating the fabric with an aqueous solution of methylol acrylamide and alkaline catalyst at a temperature range of  $130-160^{\circ}C$ , drying the fabric below  $100^{\circ}C$ , curing the said fabric, washing the fabric with water, impregnating the fabric with acidic or acid generating catalyst and finally curing the fabric.

127084. Ciba Limited. Azo dyes, process for their manufacture and process for dyeing or printing synthetic fibres using the same. Accepted on 20th October 1971.

Comprises reacting— $C.H_3(d)$  ( $-NR_2A$ )- $N(R_2)CH_2CO-V-R$  with diazotiation derivative of  $D-NH_2$  wherein  $D$  is diazo-component desidue,  $A$ -acyl residue of organic acid;  $d$ -hydrogen, chlorine, alkyl alkoxy, phenyl thio or phenoxy,  $R$  alkyl,  $V$  oxygen, sulphur or amino,  $R$  is monovalent organic residue and  $R_2$  is hydrogen or alkyl group.

127095. Plasto-Lion (India) Private Limited. Machine for the manufacture of thermoplastic nets. Accepted on 19th October 1971.

Comprising a vertically coe-shaped die with a lip having a series of equally spaced slots, a correspondingly shaped stationary die torpedes placed inside the said die, an annular space with a passage between the die and die torpedes, the said passage being connected to an extrusion machine.

127164. Dantoss A/S. Single-phase electric motor. Accepted on 15th October 1971.

Two windings of the stator can be switched in and off together and in that the difference between the phases of the currents in the two windings is smaller than  $20^{\circ}$  at the moment of start up, but at the highest possible operating voltage, will not have dropped below  $0^{\circ}$  up to the point at which the second motor start up.

127487. Imperial Chemical Industries Limited. A process for producing pyridine or a substituted pyridine and the compound, so prepared. (6th August 1969). Accepted on 23rd October 1971.

Comprising reacting in the vapour phase an unsubstituted or substituted di or tetra hydro pyran with ammonia in the presence of a solid catalyst comprising at least one compound of a metal from groups IV to VII of the periodic table.

127606. Joseph Lucas (Industries) Limited. Electrical switches. (12th August 1969). Accepted on 16th October 1971.

Operating lever engages contact piece so that movement of the lever relative to the body causes rotating movement of the contact piece relative to the base, and said base and said operating lever locating the contact piece in a direction at right angles to the plane of the base.

127683. Polymer Corporation Limited. Purification of olefins. (8th September 1969). Accepted on 16th October 1971.

The hydrocarbon is contacted with a composition comprising (a) a hydride or hydrocarbyl compound of a metal of group 1A, 2A, 2B or 3A of the periodic table and (b) a compound of a transition metal of group 4B, 5B, 6B, 7B or 8 of the periodic table which is free from non-complexed chlorides, bromides, iodides and Lewis acid.

127684. Minnesota Mining and Manufacturing Company. Aquatic herbicide. Accepted on 16th October 1971.

Comprising a herbicidal ionic substance bonded by a reversible ion exchange to the surface of a water soluble particulate, inert carrier and the said herbicidal substance is desorbed by ion

- exchange and a substantially insoluble copper containing compound.*
127690. P. M. Patel. An improved closure arrangement for bottles, jars or like containers. Accepted on 15th October 1971.
- Comprising a container and a plastic or the like cap with a central projection fitting tightly into the mouth of the said container, the side walls of the said cap being adapted to fit over the outside surface of the neck of the container and provided with engaging means.*
127848. Ube Industries, Ltd. Process for purifying adiponitrile. Accepted on 20th October 1971.
- Contacting crude liquid adiponitrile with oxygen or gas containing molecular oxygen at a temperature of from 120° to 300°C and distilling the adiponitrile under reduced pressure.*
127904. Shell Internationale Research Maatschappij N. V. Process for the preparation of gases containing hydrogen and carbon monoxide by partial oxidation. Accepted on 19th October 1971.
- Recovering soot from aqueous suspension by agglomerating said soot with hydrocarbon oil, removing ash particle from aqueous phase by means of flotation producing purified water and incorporating into feed for preparing the gases at least a part of the soot agglomerates.*
128051. J. P. Irani. A new adjustable drawing instrument for drawing ellipses of different sizes. Accepted on October 1971.
- Comprising a body having two crossing slots supported by means of supports, a beam having a longitudinal slot being attached to the said body means of two pegs, the beam at its one end being provided with spring loaded means for holding a pencil.*
128147. Libbey-Owens-Ford Company. Glass sheet bending and tempering apparatus. Accepted on 16th October 1971.
- The mold member is supported from one edge only to leave free area above and below the shaping surface and movable cooling air into the upper and lower surfaces of a sheet supported thereon.*
128263. N. V. Philips Gloeilampenfabriken. Method of a body having anisotropic, permanent magnetic properties. Accepted on 19th October 1971.
- First castings are manufactured having a ratio of  $M:R < 5$  and  $M:R > 5$ ,  $M$  being Co or Cu with one or more of Fe, Ni and Cu, and  $R$  being one or more of the elements of the rare earths and for the pulverizing and mixing the powder in an atmosphere protecting against oxidation and containing  $< 100$  p.p.m. of oxygen and for water vapour, orienting it in a magnetic field and compressing and sintering it.*
128450. Kirloskar Brothers Limited. Sluice-cum-reflux valve. Accepted on 22nd October 1971.
- Comprising a transverse cylinder disposed transversely and inclined with respect to another cylinder, the two ends of the other cylinder forming the out let and outlet, the transverse cylinder being open at both ends and having a side opening, an annular sloping facet provided to the lowering of the transverse cylinder, axially disposed guides extending from the facet to the open top of the transverse cylinder, a stuffing box cover closing the said open top, a spindle extending into the cover and a handle at its other end, a coaxial cage movable inside the transverse cylinder having a base with an annular sloping facet surmounted by a peripheral groove in which is mounted an elastic ring, perpendicular to the groove, and a circular band surmounting the upper ends of the ribs.*
128547. International Standard Electric Corporation. A telecommunication system of the party line type. Accepted on 22nd October 1971.
- Comprising an electronic circuit means for decoding ringing signals, means for re-encoding said signals and means for transmitting multi-frequency digital signals and means for detection.*
128687. Danfoss A/S. Air-treatment equipment. Accepted on 21st October 1971.
- Characterized by a heat exchanger (9, 17), in which the air, warmed by the heating element (1, 23), dissipates heat into the air flowing to the heating element.*
128741. Badische Anilin & Soda-Fabrik Aktiengesellschaft. Herbicide. Accepted on 16th October 1971.
- Comprises a mixture of a substituted -2, 6, denoted-4-trifluoromethyl aniline, with a substituted -1, 2, 4 oxadiazole 3, 5-dione or substituted 1, 2, 4-oxidiazine-3, 5 dione, or an amino- $\alpha$  cyanoacrylic acid ethyl ester or a carbamic acid ester etc.*
128864. Amsted Industries Incorporated. A railway coupler having a shank with a key slot therein. Accepted on 19th October 1971.
- Comprising an upper strap, a top wall connected to the upper strap, an upper support rib, a lower strap, a bottom wall connected to the lower strap and a lower support rib.*
128914. Kamyr Aktiebolag. Strainer device for cellulose digester. Accepted on 15th October 1971.
- Characterised in that a plane circular strainer plated forming a part of the strainer device is provided with concentric strainer slots in which rotary cleaning members are active.*
128933. Westinghouse Air Brake Company. Empty-load relay valve device. Accepted on 19th October 1971.
- Comprising a pair of abutments of different effective area, means to provide connections between said abutments, a control chamber, a fluid pressure supply chamber, a delivery chamber and valve means.*
129185. International Standard Electric Corporation. System for controlling the transmit time of stations which are in communication with one another via a satellite. Accepted on 22nd October 1971.
- Comprising first means to store information, second means to receive signals, third means responsive to the received signals, and fourth means coupled to first and third means.*
129458. Pickands Mather & Co., International Improvements in isolating valves. (11th December 1969) Accepted on 15th October 1971.
- Comprising a hollow valve body having an inlet and outlet passage through the body wall, a valve seat around the inner end of the inlet passage, a check valve movably mounted on the body wall inside the body and adapted in one extreme position to sealively engage the valve seat.*
130023. Mavor & Coulson Limited. Endless conveyor having belt tensioning means. (30th January 1970) Accepted on 14th October 1971.
- Comprising two devices to sense tension variation in working and return runs of the belt, a drum around which return run of belt passes, speed-variable driving gear to displace the drum and means to actuate the driving gear in response to signals emitted by the two devices when tensions are not at a predetermined ratio.*
130452. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the

separation of impurities from crude gas. Accepted on 16th October 1971.

*The stream of crude gas is cooled by contacting with atomized cold calcium chloride solution to a temperature of the calcium chloride used for drying and an amount of salt solution corresponding to an amount of 8 kg calcium chloride per 1000 normal cubic meters of crude gas put through is removed from the cycle.*

130564. P. Zimmer. Improvements in or relating to a roller squeegee. Accepted on 16th October 1971.

*The cross-section of the teeth of the roller squeegee has an inclination diverging from the radial symmetric direction.*

130580. Walchandnagar Industries Limited. Jyoti Prasad Mukherji, Anil Chandra Chatterjee and S. Gangavati. An improved system for heating mass-cuite and like viscous substances. Accepted on 20th October 1971.

*Comprising in combination a container, a heating element, a stationary inlet pipe connected to the heating element, a stationary outlet pipe and a vacuum source.*

131966. International Flavors & Fragrances Inc. A flavouring composition. [Divisional date 16th January 1970]. Accepted on 16th October 1971.

*Comprising one or more bis 2(alkyl-3 furyl) trisulphide and a carrier excluding water and common solvents.*

#### Opposition Proceedings

An opposition has been entered by Hindustan Lever Limited to the grant of a patent on application No. 122181 made by Colgate Palmolive Company.

#### Printed Specifications Published

A limited number of printed copies of the undernoted specification are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy:—

(1)

94364 94402 94441 94443 94460 94504 94508 94526 94564  
94576 94583 94657 94699 94795 95063 95085 95182 95281  
95291 95352 95463 95524 95758 95766 95799 95800 95822  
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96087 96090 96135 96142 96143 96281 96333 96536 96726  
96845.

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95823 96121 96290 96316 96337 96347 96357 96359 96371  
96377 96392 96403 96412 96467 96473 96535 96582 96632  
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97292 97293 97350 97527 97569 97581 97595 97603 97605  
97629 97644 97659 97670 97712 97713 97722 97734 97750  
97754 97762 97803 97819 97821 97846 97859 97883 97888  
97905 97941 97942 98008 98109 98159 98231 98246 98290  
982366 98418 98637 98688 98709 98837 98860 99271 99368  
105244.

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96803 96885 96886 96900 96976 96989 97006 97029 97063  
97084 97088 97155 97222 97239 97276 97306 97357 97373  
97425 97426 97457 97465 97493 97613 97638 97715 97871  
98326 98373 98376 98396 98408 98439 98448 98450 98453  
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98547 98551 98602 98605 98634 98676 98717 98778 98786  
98819 98869 98946 98968 98999 99010 99022 99099 99226  
99916 100437 106927.

#### Patents Sealed

118723 118695 119502 120259 120302 120496 120600 121011  
121241 122167 122348 122384 122385 122431 122453 122454  
122548 122624 122644 122701 122718 122741 122805 123089  
123155 123291 123240 123301 123361 123415 123489 123520  
123660 123667 123719 123741 123754 123762 123806 123839  
123873 123952 124025 124045 124131 124219 124367 124422  
124506 124576 124798 124987 125100 125222 125289 125824  
126384 126875 129293.

#### Amendment Proceedings

(1)

Notice is hereby given under Section 17 of the Indian Patents and Designs Act, 1911 that Simon-Carves Limited, a British Company of Cheadle Heath, Stockport, Cheshire, England, have offered fresh amendments to the description and claims in the specification of their patent No. 120290 (Title:—Improvements in or relating to dust sealing mechanisms for hoppers or the like) in supersession of the amendments proposed earlier and notified in the Gazette of India Part III, Section 2, dated the 15th May 1971. Any person desirous of opposing the application for amendment should at any time within three months from the date of this Gazette, give notice of his intention to do so on the prescribed form (Form 6 of the Indian Patents and Designs Rules, 1933) in the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17. The proposed amendments may be seen free of charge at the Patent Office or copies thereof may be obtained from the Patent Office, on payment of the usual charges.

(2)

Notice is hereby given under Section 17 of the Indian Patents and Designs Act, 1911 that Ciba Limited, Chemical Manufacturers, of Klybeckstrasse 141, Basle, Switzerland, a body corporate organised according to the laws of Switzerland, seek to amend the claims in the specification of patent application No. 123916. (Title:—New azo dyestuffs and processes for their manufacture process for dyeing and printing therewith and the dyed material). Any person desirous of opposing the application for amendment should at any time within three months from the date of this Gazette, give notice of his intention to do so on the prescribed form (Form 6 of the Indian Patents and Designs Rules, 1933) in the Patent Office, 214, Lower Circular Road, Calcutta-17. The proposed amendment may be seen free of charge at the Patent Office or copies thereof may be obtained from the Patent Office, on payment of the usual charges.

(3)

Notice is hereby given under Section 17 of the Indian Patents and Designs Act, 1911 that Sandoz Ltd., of Lichtstrasse 35, Basle, Switzerland, a Swiss body corporate, seek leave to amend the description in the specification of patent application No. 124565. (Title:—An anthraquinone pigment and the process of its production.) Any person desirous of opposing the application for amendment should at any time within three months from the date of this Gazette, give notice of his intention to do so on the prescribed form (Form 6 of the Indian Patents and Designs Rules, 1933) in the Patent Office, 214, Lower Circular Road, Calcutta-17. The proposed amendment may be seen free of charge at the Patent Office or copies thereof may be obtained from the Patent Office, on payment of the usual charges.

(4)

Notice is hereby given under Section 17 of the Indian Patents and Designs Act, 1911 that Bridgestone Tire Company Limited, No. 1-1, 1-chome, Kyobashi, Chuo-ku, Tokyo, Japan, a Joint Stock Company duly organised under the laws of Japan, seek to leave to amend the claim in the specification in respect of Patent Application No. 125448 (Title:—Marine fender assembly). Any person desirous of opposing the application for amendment should at any time within three months from the date of this Gazette give notice of his intention to do so on the prescribed form (Form 6 of the Indian Patents and Designs Rules 1933) in the Patent Office 214, Lower Circular Road, Calcutta-17. The proposed amendment may be seen free of charge at the Patent Office or copies thereof may be obtained from the Patent Office, on payment of the usual charges.



**Renewal Fees Paid**

58741	58755	58773	58878	58955	60248	60283	61913	62089
62201	62242	62243	62422	63310	63311	65396	65455	65472
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112951	113022	113023	113076	113101	113148	113166	113210	
113223	113241	113248	113262	113373	113468	113655	113739	
113826	114305	114455	116035	117273	118112	118146	118163	

**Cessation of Patents**

71354	71365	71366	71367	71370	71373	71374	71375	71387
71390	71395	71407	71410	71413	71415	71420	71422	71427
78625	78626	78628	78629					

**Registration of Designs**

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Indian Patents and Designs Act.

The dates shown in each entry is the date of registration of the designs including the entry.

The dates shown in cre cent brackets are the dates clai under Section 78-A of the Act.

Class 1. Nos. 138418 to 138422. Hindustan Vacuum Gla. Limited, (An Indian Company), Faridabad (Haryana), India, "A twia flask", February 15 1971.

Class 1. Nos. 138510 to 138512. Swadesi Type Foundry, No. 51, Guruvappa Chetty St., Chintadri, Madras-2, India, Indian Partnership Concern, "Printing types", March 19, 1971.

Class 1. No. 138678. Bharat Industries, an Indian Partnership firm carrying on business at 72-74, Kika Street, Bombay-4, Maharashtra, "dish", May 14, 1971.

Class 1. No. 138722. Ajit India Private Limited, 408 Himalaya House, Paltan Road, Bombay-1, Maharashtra State, India, an Indian Company, "A sliding window", May 29, 1971.

Class 1. Nos. 138723 and 138724. Ajit India Privated Limited, 408 Himalaya House, Paltan Road, Bombay-1, Maharashtra State, India, an Indian Company, "A louvre window", May 29, 1971.

Class 1. No. 138756. Allied Enterprises, An Indian Partnership Firm, D-30, Hauz Khas, New Delhi-16. "Curtain clip", June 21, 1971.

Class 1. No. 138823. Kelvinator of India Limited, (an Indian Company), 28-New Industrial Township, Faridabad, Haryana, (India), "ice-tray", July 19, 1971.

Class 3. Nos. 138513 to 138515. Swadesi Type Foundry, No. 51 Guruvappa Chetty St., Chintadripet, Madras-2, India, Indian Partnership Concern, "Printing types", March 19, 1971.

Class 3 No. 138616. Asian Advertis (an Indian Partnership Firm), 20, Kala Bazar, 4th Floor, 3, Mathew Road, Opera House, Bombay-4 (Maharashtra), "Tray", April, 10, 1971.

Class 3. No. 138828. Mrs. Bhanuben Lamanlal Mistri, An Indian Citizen, Mahadeo Nagar, Bilimora, Dist. Bulsar, Gujrat, India, "A bel", July 19, 1971.

Class 5. No. 138643. Lakme Limited, Bombay House, Bruce Street, Bombay-1, Maharashtra, India, an Indian Company, "A carton", April 27, 1971.

S. VEDARAMAN,  
Controller General of Patents,  
Designs and Trade Marks

